

# **2012 Update of McHenry County Solid Waste Plan**

McHenry County Department of Health  
Division of Environmental Health



# McHenry County Solid Waste Program

## Planning

McHenry County  
Solid Waste Plan

## Regulatory

Residential  
Recycling  
Ordinance

Pollution  
Control  
Facility Siting  
Ordinance

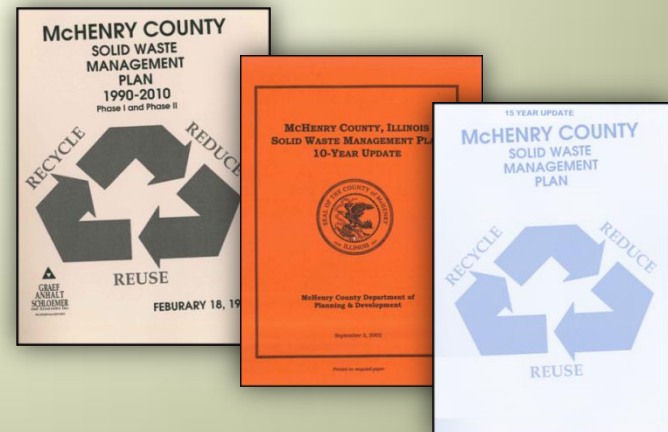
Municipal  
Waste Hauler  
Licensing  
Ordinance

Environmental  
Protection Act

McHenry County Public  
Health Ordinance

# McHenry County Solid Waste Management Plan

- Required for all counties by Ill. Solid Waste Planning and Recycling Act
- Updated every 5 years
- Reviewed and accepted by Illinois Environmental Protection Agency
- Approved by the McHenry County Board



# McHenry County Solid Waste Management Plan

- Establishes target waste diversion/recycling goals
  - Annual waste stream analysis
  - Annual recycling rates
- Primary objective maximize waste diversion/recycling goals
  - Illinois Solid Waste Planning and Recycling Act: 25%
- Identify specific mechanisms (regulation and initiatives) to achieve and exceed these goals

# Work Plan

- Solid Waste Advisory Committee
- Technical Consultant
- Surveys
- Ongoing Input from Environmental Health Advisory Committee
- Presentation to Natural Environment and Resources Committee
- Review by Full County Board
- Submission to IEPA
- 5 month process

# Solid Waste Advisory Committee

- 175 Invitations
- 25 participants
  - 11 Municipal Solid Waste Haulers
  - 1 Township Highway Road Commissioner
  - 1 Local Police Department
  - 1 Lou Marchi Total Recycling Institute at MCC
  - 2 Environmental Defenders of McHenry County
  - 1 McHenry County Dept of Planning & Development
  - 1 Municipal Trustee
  - 2 Municipality Representatives
  - 1 Regional Superintendent of Schools
  - 1 McHenry County Restaurant Assoc.
  - 1 League of Women Voters McHenry County Representative
  - 2 Industrial/Commercial Representatives

Other Participants?

# Role of Committee

## Meeting #1

**July**

Overview of Solid Waste Program  
Solid Waste Plan Update Process

## Meeting #3: Facilitated by Technical Consultant

**October**

Goals & Objective Setting

## Meeting #2: Facilitated by Technical Consultant

**September**

Best management practices  
Trends  
Legislative Update  
Current & future needs

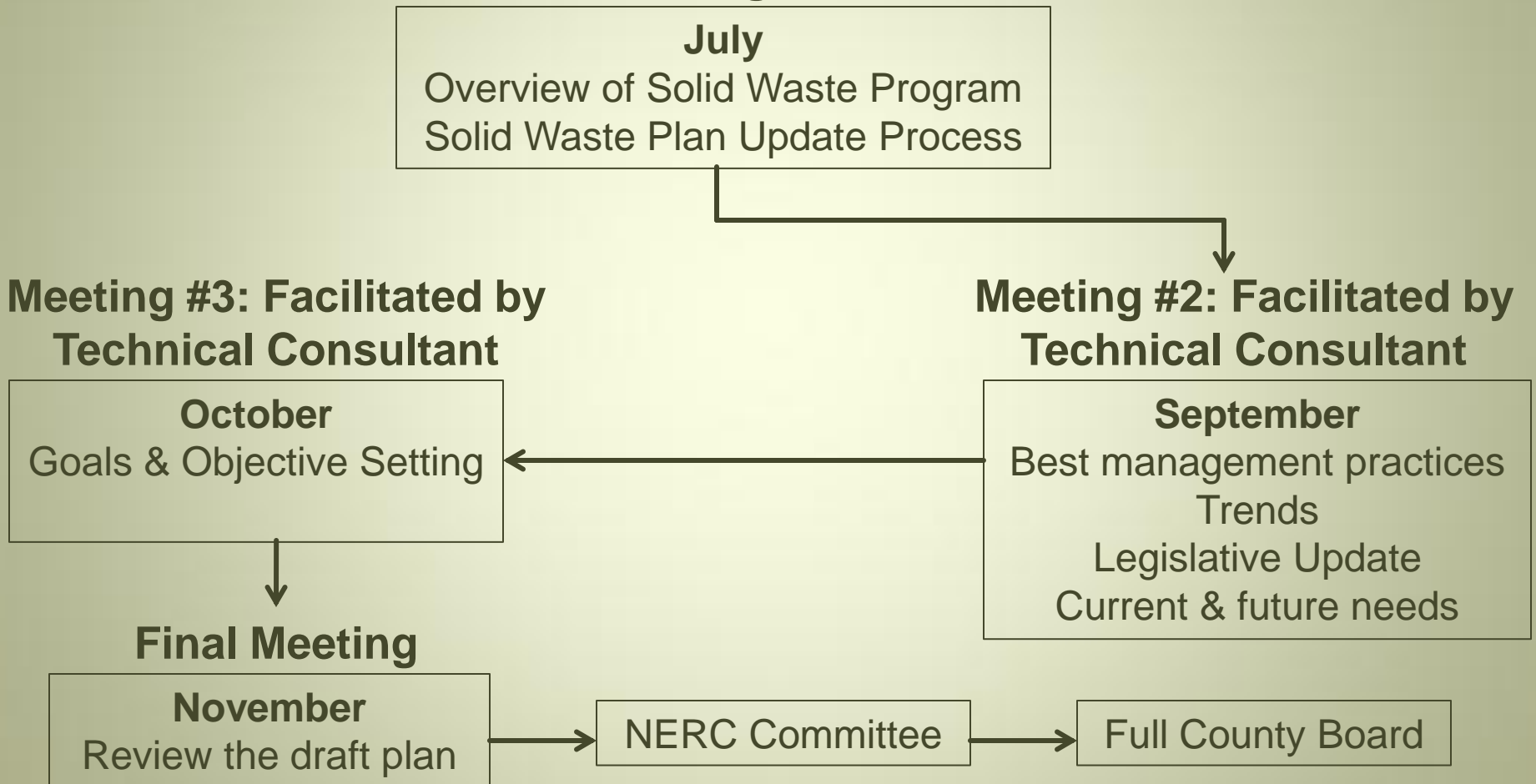
## Final Meeting

**November**

Review the draft plan

NERC Committee

Full County Board



# Technical Consultant

- Summarize current/anticipated/pending Solid Waste Management legislative activity over the next five years
- Summarize current/projected landfill capacities for Northern Illinois region over the next five years
- Evaluate/Standardize methodology for data collection/calculation of recycling and diversion rates
- Summarize current and emerging solid waste management trends on a regional, state and national level including innovative approaches and funding sources
- Develop a survey to obtain broad scale input for development of the plan
- Facilitate two (2) meetings of the Solid Waste Advisory Committee
- Recommendations: plan objectives, target diversion rates, strategies
- Write Plan Update or provide recommendations for formatting and presentation of the plan



# Current Plan Components

- Target Goals:
  - Residential – 30% Diversion Rate
  - Non-Residential – 20% Diversion Rate
  - Overall Recycling Rate – 25%

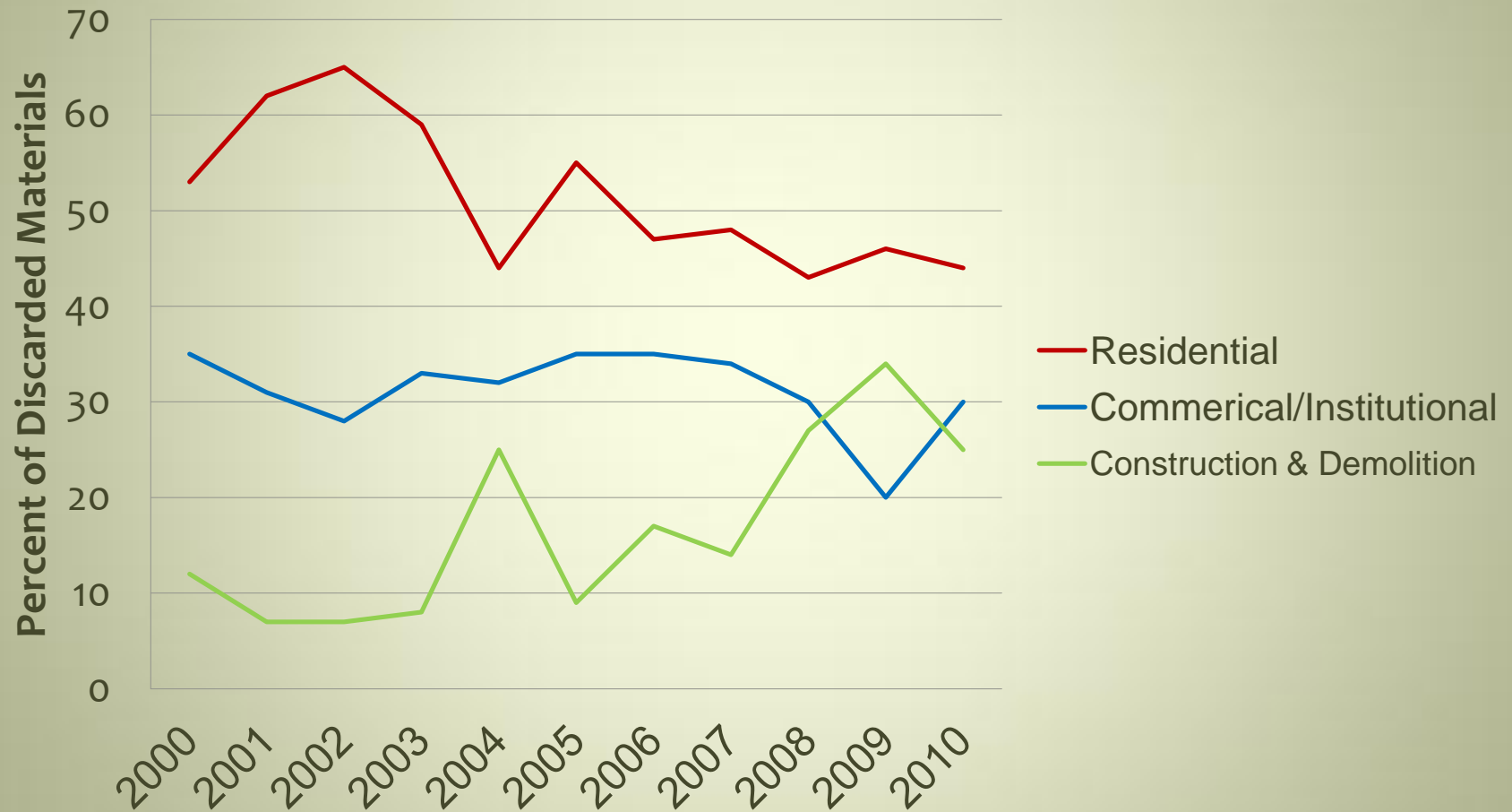


# Strategies to Reach Goals

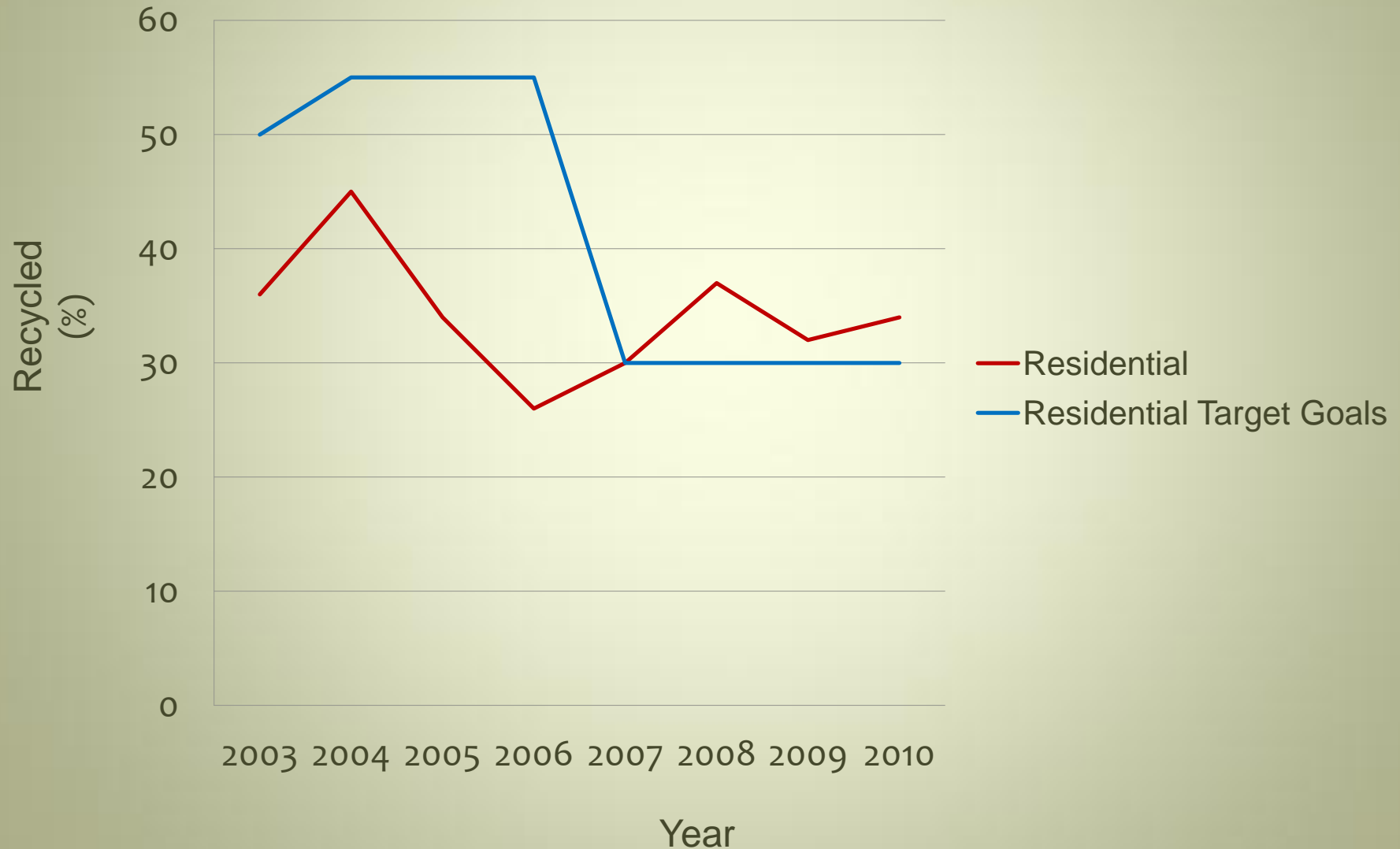
- Pay As You Throw Systems (economic incentive)
  - Commercial Recycling Ordinance
  - Public Education - residential and non-residential
  - Green Awards – recognize innovative/viable programs
  - Green Purchasing Policy for McHenry County
  - Alternative Waste Disposal (HHW, medication, tires, etc.)
  - Municipal Waste Hauler Forum
- 
- Secure Landfill Space
  - Encourage Development of Solid Waste Transfer Stations
  - Review/Update Guidelines for Siting Solid Waste Disposal Facilities



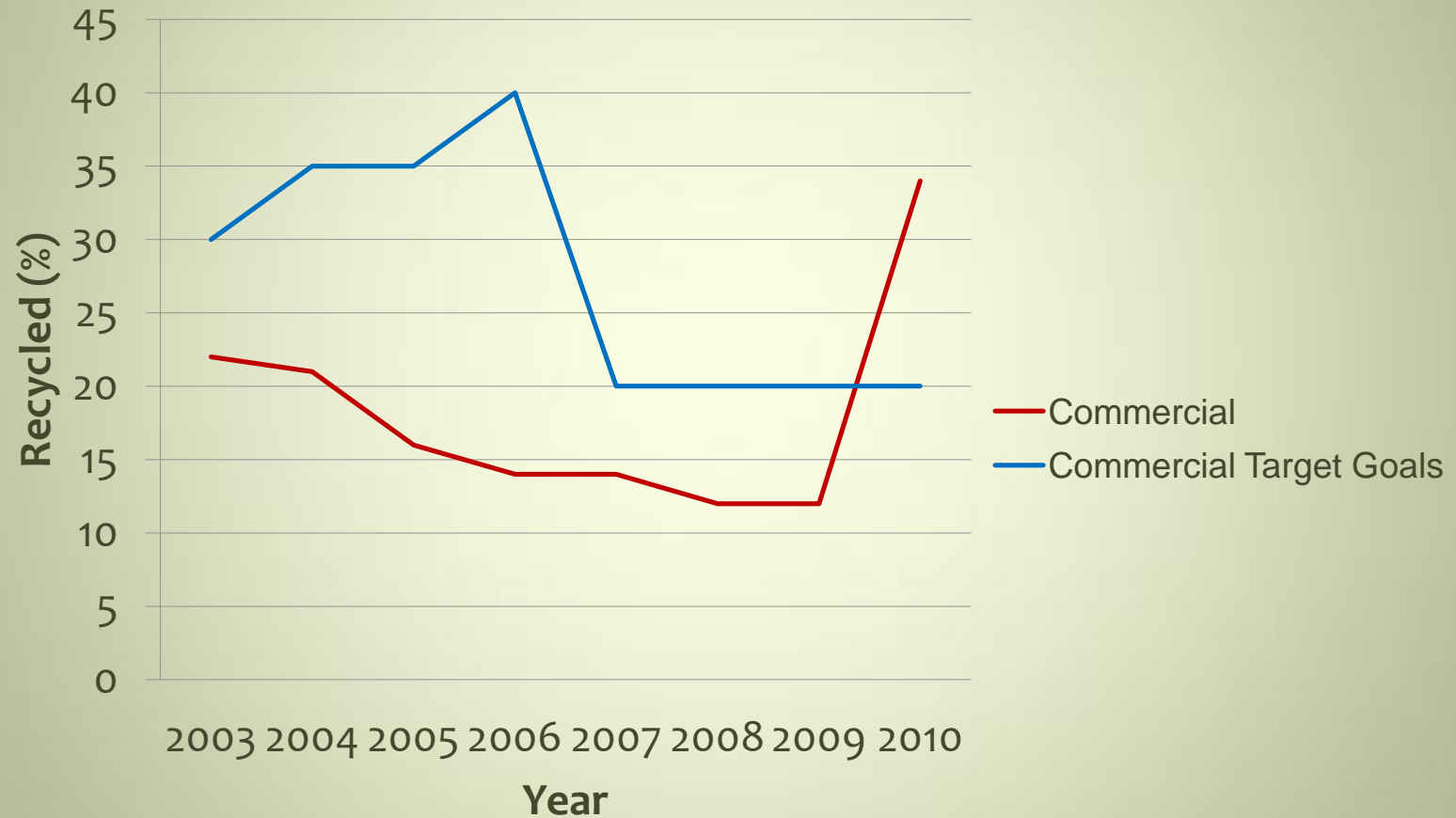
# Sources of Discarded Materials 2000-2010



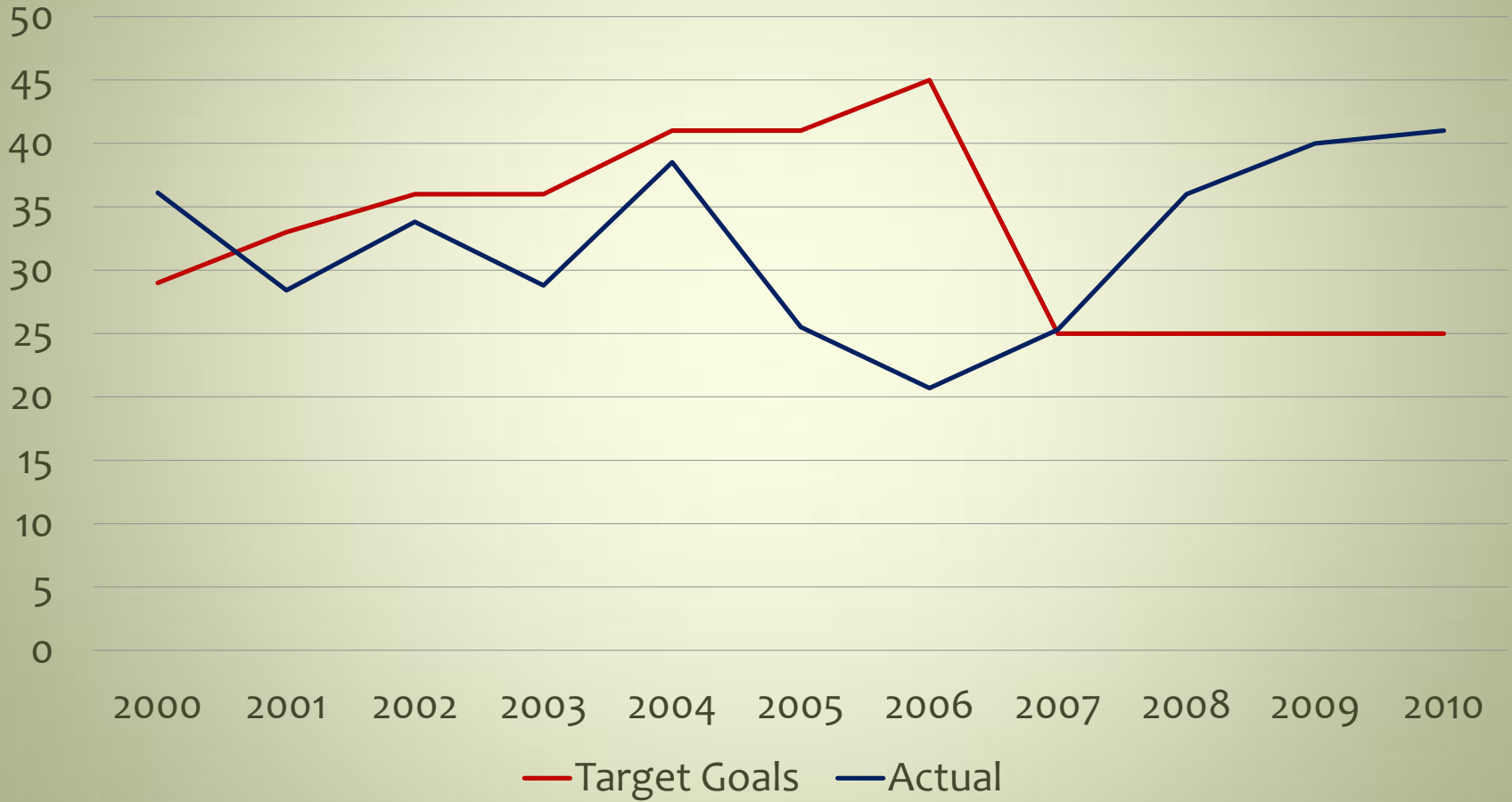
# Residential Recycling Rates 2003-2010



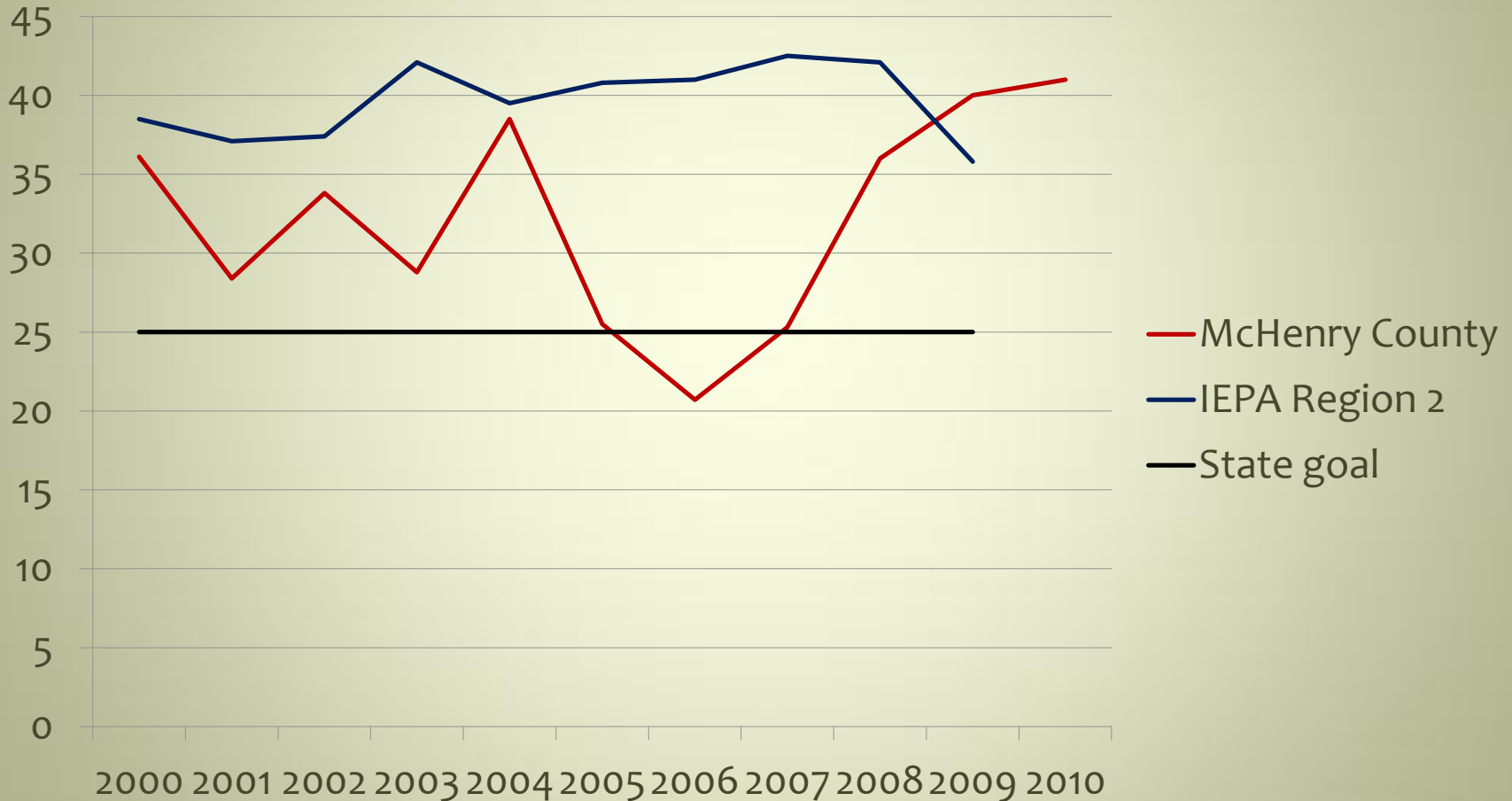
# Commercial Recycling Rates 2003-2010



# Recycling Rate: Actual vs Target Goals



# Overall Recycling Rate: County vs Regional and State



# Infrastructure

- 8 Active IEPA Permitted Solid Waste Facilities

- 2 - Landscape Waste Composting Facilities

- 4 - Landscape Waste Transfer Stations

- 1 - Municipal Solid Waste Transfer Station (1)

- 1 - General Construction & Demolition Debris Recycling Processing Facility (1)

- 2 – Beneficial Use Determination – Asphalt shingle recycling

- Border Counties: Midwest Organics (Lake County), Nu-Earth Organics (Lake County), Garden Prairie Organics (Boone County)

- Pending: GCDD Processing/Landscape Waste Transfer Station

- No Active Sanitary Landfill in McHenry County



# Infrastructure

- Increase in Beneficial Use Determinations
- 4 Household Hazardous Drop-Offs for Northern Illinois (Rockford, Naperville, Gurnee, Chicago)
- Community Initiatives
  - Medication Drop-Offs – Local Police Departments
  - Township/Municipal Services (brush, paints, electronics, shoes, Christmas trees, clothing, used oil)
  - Environmental Defenders of McHenry County – styrofoam, CFLs, batteries
  - Lou Marchi Total Recycling Institute of MCC (Green Guide)
  - McHenry County Schools Environmental Education Program
  - Multiple Agencies – document destruction
  - Department of Agriculture Hazardous Waste Initiative (farmers)
- Solid Waste Manager

# Challenges

- IEPA cut backs
  - Household Hazardous Waste
    - Suspended funding for countywide collections
    - IEPA continues to fund 4 long term facilities in the state
      1. Rockford
      2. Gurnee
      3. Naperville
      4. Chicago
  - Used tires
    - IEPA continues the Consensual Removal Agreement for property owners
    - Assistance for Township Highway Departments
  - Paint
    - Suspended funding to Partners in Waste Paint Solutions Program
    - IEPA reinstated funding to continue paint recycling at Algonquin Township Road District who has partnered with Marengo Township & border townships
  - Medication
    - IEPA no funding for new collection sites
    - IEPA continues to fund Village of Johnsburg & Fox River Grove Police Departments
      - Open to the public
- Funding
  - Virginia Road Transfer Station
  - Partners- 501c3 Status

# Staff Perspective

- More Aggressive Target Goals for Waste Diversion
- Non-Residential Recycling, Zero Waste Facilities
- Product Stewardship
  - Paints, pharmaceuticals, plastic bags, plastic bottles, etc.
- Franchising of Municipal Solid Waste
  - 5 unincorporated areas with franchise agreements, approx. 6000 households
- Organics Composting
  - Food Scraps
  - Animal Waste
- Manure Management
- Pollution Control Facility Siting Ordinance
- Alternative Waste Disposal
  - Waste to Energy Facilities
  - Paints, pharmaceuticals, tires, sharps, household hazardous waste
- Curbside Household Hazardous Waste Pick Up
- On Street Recycling
- Funding

# Information & Communications

- Environmental Health Solid Waste website

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